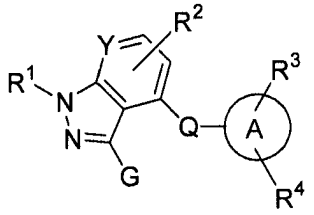
AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (currently amended): A nitrogen-containing fused-ring derivative represented by the following general formula (I):



(I)

wherein

R^1 represents a hydrogen atom, a C_{1-6} alkyl group, a halo(C_{1-6} alkyl) group, a hydroxy(C_{1-6} alkyl) group, a dihydroxy(C_{1-6} alkyl) group, a C_{1-6} alkoxy(C_{1-6} alkyl) group, a C_{2-7} alkoxycarbonyl(C_{1-6} alkyl) group, a carboxy(C_{1-6} alkyl) group, a C_{2-6} alkenyl group, -J-N(R^5)-Z^1, -J-CON(R^5)-Z^1, or any of the following substituents (a) to (d) which may have any 1 to 3 substituents selected from the later identified substituent group α on the ring;

(a) a C_{3-7} cycloalkyl group, (b) a C_{3-7} cycloalkyl(C_{1-6} alkyl) group, (c) a C_{6-10} aryl group or (d) a ~~C_{1-6} aryl(C_{6-10} alkyl)~~ C_{6-10} aryl(C_{1-6} alkyl),group,

R^2 represents a hydrogen atom, a halogen atom or a C_{1-6} alkyl group;

R^3 and R^4 independently represent a hydrogen atom, a hydroxy group, a halogen atom, a C_{1-6} alkyl group, a C_{2-6} alkenyl group, a C_{2-6} alkynyl group, a C_{1-6} alkoxy group, a C_{2-6} alkenyloxy group, a C_{1-6} alkylthio group, a C_{2-6} alkenylthio group, a halo(C_{1-6} alkyl) group, a halo(C_{1-6} alkoxy) group, a halo(C_{1-6} alkylthio) group, a hydroxy(C_{1-6} alkyl) group, a hydroxy(C_{2-}

$_6$ alkenyl) group, a hydroxy(C_{1-6} alkoxy) group, a hydroxy(C_{1-6} alkylthio) group, a carboxy group, a carboxy(C_{1-6} alkyl) group, a carboxy(C_{2-6} alkenyl) group, a carboxy(C_{1-6} alkoxy) group, a carboxy(C_{1-6} alkylthio) group, a C_{2-7} alkoxycarbonyl group, a C_{2-7} alkoxycarbonyl(C_{1-6} alkyl) group, a C_{2-7} alkoxycarbonyl(C_{2-6} alkenyl) group, a C_{2-7} alkoxycarbonyl(C_{1-6} alkoxy) group, a C_{2-7} alkoxycarbonyl(C_{1-6} alkylthio) group, a C_{1-6} alkylsulfinyl group, a C_{1-6} alkylsulfonyl group, -U-V-W-N(R^6)-Z^2, or any of the following substituents (i) to (xxviii) which may have any 1 to 3 substituents selected from the later identified substituent group α on the ring;

(i) a C_{6-10} aryl group, (ii) C_{6-10} aryl-O-, (iii) C_{6-10} aryl-S-, (iv) a C_{6-10} aryl(C_{1-6} alkyl) group, (v) a C_{6-10} aryl(C_{1-6} alkoxy) group, (vi) a C_{6-10} aryl(C_{1-6} alkylthio) group, (vii) a heteroaryl group, (viii) heteroaryl-O-, (ix) heteroaryl-S-, (x) a heteroaryl(C_{1-6} alkyl) group, (xi) a heteroaryl(C_{1-6} alkoxy) group, (xii) a heteroaryl(C_{1-6} alkylthio) group, (xiii) a C_{3-7} cycloalkyl group, (xiv) C_{3-7} cycloalkyl-O-, (xv) C_{3-7} cycloalkyl-S-, (xvi) a C_{3-7} cycloalkyl(C_{1-6} alkyl) group, (xvii) a C_{3-7} cycloalkyl(C_{1-6} alkoxy) group, (xviii) a C_{3-7} cycloalkyl(C_{1-6} alkylthio) group, (xix) a heterocycloalkyl group, (xx) heterocycloalkyl-O-, (xxi) heterocycloalkyl-S-, (xxii) a heterocycloalkyl(C_{1-6} alkyl) group, (xxiii) a heterocycloalkyl(C_{1-6} alkoxy) group, (xxiv) a heterocycloalkyl(C_{1-6} alkylthio) group, (xxv) an aromatic cyclic amino group, (xxvi) an aromatic cyclic amino(C_{1-6} alkyl) group, (xxvii) an aromatic cyclic amino(C_{1-6} alkoxy) group, or (xxviii) an aromatic cyclic amino(C_{1-6} alkylthio) group,

J represents a C_{1-6} alkylene group which may have a hydroxy group, or a C_{2-6} alkenylene group;

U represents –O-, -S- or a single bond and with the proviso that at least one of V and W is not a single bond when U is –O- or –S-[[)]];

V represents a C_{1-6} alkylene group which may have a hydroxy group, a C_{2-6} alkenylene group or a single bond;

W represents –CO-, $-SO_2-$, -C(=NH)- or a single bond;

Z^1 and Z^2 independently represent a hydrogen atom, a C_{2-7} alkoxycarbonyl group, a C_{6-10} aryl(C_{2-7} alkoxycarbonyl) group, a formyl group, $-R^A$, $-COR^B$, $-SO_2R^B$, $-CON(R^C)R^D$, $-CSN(R^C)R^D$, $-SO_2NHR^A$ or $-C(=NR^E)N(R^F)R^G$;

R^5, R^6, R^A, R^C and R^D independently represent a hydrogen atom, a C_{1-6} alkyl group which may have any 1 to 5 substituents selected from the later identified substituent group β or any of the following substituents (xxix) to (xxxii) which may have any 1 to 3 substituents selected from the later identified substituent group α;

(xxix) a C_{6-10} aryl group, (xxx) a heteroaryl group, (xxxi) a C_{3-7} cycloalkyl group or (xxxii) a heterocycloalkyl group,

or both of Z^1 and R^5 or both of Z^2 and R^6 bind together with the neighboring nitrogen atom to form an aliphatic cyclic amino group which may have any 1 to 3 substituents selected from the later identified substituent group α;

or R^C and R^D bind together with the neighboring nitrogen atom to form an aliphatic cyclic amino group which may have any 1 to 3 substituents selected from the later identified substituent group α;

R^B represents a C_{2-7} alkoxycarbonyl group, a C_{1-6} alkylsulfonylamino group, a C_{6-10} arylsulfonylamino group, a C_{1-6} alkyl group which may have any 1 to 5 substituents selected from the later identified substituent group β or any of the following substituents (xxxiii) to (xxxvi) which may have any 1 to 3 substituents selected from the later identified substituent group α;

(xxxiii) a C_{6-10} aryl group, (xxxiv) a heteroaryl group, (xxxv) a C_{3-7} cycloalkyl group or (xxxvi) a heterocycloalkyl group,

R^E, R^F and R^G independently represent a hydrogen atom, a cyano group, a carbamoyl group, a C_{2-7} acyl group, a C_{2-7} alkoxycarbonyl group, a C_{6-10} aryl(C_{2-7} alkoxycarbonyl) group, a nitro group, a C_{1-6} alkylsulfonyl group, a sulfamoyl group, a carbamimidoyl group or a C_{1-6} alkyl group which may have any 1 to 5 substituents selected from the later identified substituent group βα;

or R^E and R^F bind together to form an ethylene group;

or R^F and R^G bind together with the neighboring nitrogen atom to form an aliphatic cyclic amino group which may have a substituent selected from the later identified substituent group α;

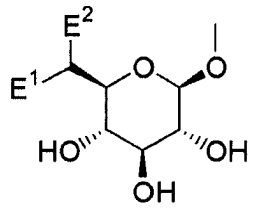
Y represents CH or N;

Q represents -C_{1-6} alkylene-, -C_{2-6} alkenylene-, -C_{2-6} alkynylene-, -C_{1-6} alkylene-O-, -C_{1-6} alkylene-S-, -O-C_{1-6} alkylene-, -S-C_{1-6} alkylene-, -C_{1-6} alkylene-O-C_{1-6} alkylene-, -C_{1-6} alkylene-S-C_{1-6} alkylene-, -CON(R^7)-, -N(R^7)CO-, -C_{1-6} alkylene-CON(R^7)- or –CON(R^7)-C_{1-6} alkylene-;

R^7 represents a hydrogen atom or a C_{1-6} alkyl group;

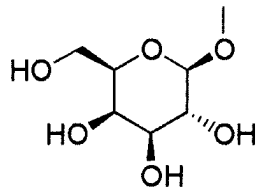
ring A represents a C_{6-10} aryl group or a heteroaryl group;

G represents a group represented by a formula:



(G-1)

or a formula:



(G-2)

;

E^1 represents a hydrogen atom, a fluorine atom or a hydroxy group;

E^2 represents a hydrogen atom, a fluorine atom, a methyl group or a hydroxymethyl group;

substituent group α:

a halogen atom, a hydroxy group, an amino group, a C_{1-6} alkyl group, a C_{1-6} alkoxy group, a halo(C_{1-6} alkyl) group, a halo(C_{1-6} alkoxy)group, a hydroxy(C_{1-6} alkyl) group, a C_{2-7} alkoxycarbonyl(C_{1-6} alkyl) group, a hydroxy(C_{1-6} alkoxy) group, an amino(C_{1-6} alkyl) group, an amino(C_{1-6} alkoxy) group, a mono or di(C_{1-6} alkyl)amino group, a mono or di[hydroxy(C_{1-6} alkyl)]amino group, a C_{1-6} alkylsulfonyl group, a C_{1-6} alkylsulfonylamino group, a C_{1-6} alkylsulfonylamino(C_{1-6} alkyl) group, a carboxy group, a C_{2-7} alkoxycarbonyl group, a sulfamoyl group and $-CON(R^H)R^I$

substituent group β:

a halogen atom, a hydroxy group, an amino group, a C_{1-6} alkoxy group, a C_{1-6} alkylthio group, a halo(C_{1-6} alkoxy) group, a halo(C_{1-6} alkylthio) group, a hydroxy(C_{1-6} alkoxy) group, a hydroxy(C_{1-6} alkylthio) group, an amino(C_{1-6} alkoxy) group, an amino(C_{1-6} alkylthio) group, a mono or di(C_{1-6} alkyl)amino group, a mono or di[hydroxy(C_{1-6} alkyl)]amino group, an ureido group, a sulfamide group, a mono or di(C_{1-6} alkyl)ureido group, a mono or di[hydroxy(C_{1-6} alkyl)]ureido group, a mono or di(C_{1-6} alkyl)sulfamide group, a mono or di[hydroxy(C_{1-6} alkyl)]-sulfamide group, a C_{2-7} acylamino group, an amino(C_{2-7} acylamino) group, a C_{1-6} alkylsulfonyl

group, a C_{1-6} alkylsulfonylamino group, a carbamoyl(C_{1-6} alkylsulfonylamino) group, a carboxy group, a C_{2-7} alkoxycarbonyl group, -CON(R^H)R^I, and any of the following substituents (xxxvii) to (xxxxviii) which may have any 1 to 3 substituents selected from the above substituent group α on the ring;

(xxxvii) a C_{6-10} aryl group, (xxxviii) C_{6-10} aryl-O-, (xxxix) a C_{6-10} aryl(C_{1-6} alkoxy) group, (xxxx) a C_{6-10} aryl(C_{1-6} alkylthio) group, (xxxxi) a heteroaryl group, (xxxxii) heteroaryl-O-, (xxxxiii) a C_{3-7} cycloalkyl group, (xxxxiv) C_{3-7} cycloalkyl-O-, (xxxxv) a heterocycloalkyl group, (xxxxvi) heterocycloalkyl-O-, (xxxxvii) an aliphatic cyclic amino group or (xxxxviii) an aromatic cyclic amino group

R^H and R^I independently represent a hydrogen atom or a C_{1-6} alkyl group which may have any 1 to 3 substituents selected from the later identified substituent group γ;

or both of R^H and R^I bind together with the neighboring nitrogen atom to form an aliphatic cyclic amino group which may have any 1 to 3 substituents selected from the later identified substituent group δ;

substituent group γ:

a halogen atom, a hydroxy group, an amino group, a C_{1-6} alkoxy group, a halo(C_{1-6} alkoxy) group, a hydroxy(C_{1-6} alkoxy) group, an amino(C_{1-6} alkoxy) group, a mono or di(C_{1-6} alkyl)amino group, a mono or di[hydroxy(C_{1-6} alkyl)]amino group, an ureido group, a sulfamide group, a mono or di(C_{1-6} alkyl)ureido group, a mono or di[hydroxy(C_{1-6} alkyl)]ureido group, a mono or di(C_{1-6} alkyl)sulfamide group, a mono or di[hydroxy(C_{1-6} alkyl)]sulfamide group, a C_{2-7} acylamino group, an amino(C_{2-7} acylamino) group, a C_{1-6} alkylsulfonyl group, a C_{1-6} alkylsulfonylamino group, a carbamoyl(C_{1-6} alkylsulfonylamino) group, a carboxy group, a C_{2-7} alkoxycarbonyl group and -CON(R^J)R^K

substituent group δ:

a halogen atom, a hydroxy group, an amino group, a C_{1-6} alkyl group, a C_{1-6} alkoxy group, a halo(C_{1-6} alkyl) group, a halo(C_{1-6} alkoxy) group, a hydroxy(C_{1-6} alkyl) group, a C_{2-7} alkoxycarbonyl(C_{1-6} alkyl) group, a hydroxy(C_{1-6} alkoxy) group, an amino(C_{1-6} alkyl) group, an amino(C_{1-6} alkoxy) group, a mono or di(C_{1-6} alkyl)amino group, a mono or di[hydroxy(C_{1-6} alkyl)]amino group, a C_{1-6} alkylsulfonyl group, a C_{1-6} alkylsulfonylamino group, a C_{1-6} alkylsulfonylamino(C_{1-6} alkyl) group, a carboxy group, a C_{2-7} alkoxycarbonyl group, a sulfamoyl group and $-CON(R^J)R^K$

R^J and R^K independently represent a hydrogen atom or a C_{1-6} alkyl group which may have any 1 to 3 substituents selected from a hydroxy group, an amino group, a mono or di(C_{1-6} alkyl)amino group, a C_{2-7} alkoxycarbonyl group and a carbamoyl group;

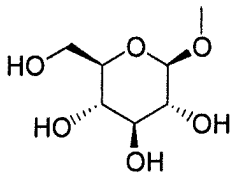
or both of R^J and R^K bind together with the neighboring nitrogen atom to form an aliphatic cyclic amino group which may have any 1 to 3 substituents selected from a hydroxy group, an amino group, a mono or di(C_{1-6} alkyl)amino group, a C_{1-6} alkyl group, a hydroxy(C_{1-6} alkyl) group, a C_{2-7} alkoxycarbonyl group, a C_{2-7} alkoxycarbonyl(C_{1-6} alkyl) group and a carbamoyl group,

or a pharmaceutically acceptable salt thereof.

2. (previously presented): A nitrogen-containing fused-ring derivative as claimed in claim 1, wherein Q represents an ethylene group, or a pharmaceutically acceptable salt thereof.

3. (previously presented): A nitrogen-containing fused-ring derivative as claimed in claim 1, wherein Q represents a methylene group, or a pharmaceutically acceptable salt thereof.

4. (previously presented): A nitrogen-containing fused-ring derivative as claimed in claim 1, wherein G represents a group represented by the formula:



, or a pharmaceutically acceptable salt thereof.

5. (previously presented): A nitrogen-containing fused-ring derivative as claimed in claim 1, wherein ring A represents a group derived from a benzene ring, a pyridine ring, a pyrimidine ring, a pyrazine ring or a pyridazine ring, or a pharmaceutically acceptable salt thereof.

6. (previously presented): A nitrogen-containing fused-ring derivative as claimed in claim 5, wherein the ring A represents a benzene ring, or a pharmaceutically acceptable salt thereof.

7. (previously presented): A nitrogen-containing fused-ring derivative as claimed in claim 5, wherein the ring A represents a pyridine ring, or a pharmaceutically acceptable salt thereof.

8. (previously presented): A nitrogen-containing fused-ring derivative as claimed in claim 5, wherein R^3 represents a hydrogen atom, a halogen atom or a C_{1-6} alkyl group; R^4 represents a hydrogen atom, a hydroxy group, a halogen atom, a C_{1-6} alkyl group, a C_{1-6} alkoxy

group, a C_{1-6} alkylthio group, a hydroxy(C_{1-6} alkyl) group, a C_{3-7} cycloalkyl group, or $-U^a-V^a-W^a-N(R^{6a})-Z^{2a}-$; U^a represents –O- or a single bond and with the proviso that at least one of V^a and W^a does not represents a single bond when U^a represents –O-; V^a represents a C_{1-6} alkylene group, a C_{2-6} alkenylene group or a single bond; W^a represents –CO- or a single bond; Z^{2a} represents a hydrogen atom, $-R^{Aa}$, $-CON(R^c)R^D$, or $-C(=NR^E)N(R^F)R^G$; R^{6a} and R^{Aa} independently represent a hydrogen atom, or a C_{1-6} alkyl group which may have any 1 to 5 groups selected from the later identified substituent group β; R^C and R^D independently represent a hydrogen atom, a C_{1-6} alkyl group which may have any 1 to 5 groups selected from the later identified substituent group β, or any of the following substituents (xxix) to (xxxii) which may have any 1 to 3 substituents selected from the later identified substituent group α;

(xxix) a C_{6-10} aryl group, (xxx) a heteroaryl group, (xxxi) a C_{3-7} cycloalkyl group or (xxxii) a heterocycloalkyl group,

or R^C and R^D bind together with the neighboring nitrogen atom to form an aliphatic cyclic amino group which may have any 1 to 3 substituents selected from the later identified substituent group α; R^E, R^F and R^G independently represent a hydrogen atom, a cyano group, a carbamoyl group, a C_{2-7} acyl group, a C_{2-7} alkoxycarbonyl group, a C_{6-10} aryl(C_{2-7} alkoxycarbonyl) group, a nitro group, a C_{1-6} alkylsulfonyl group, a sulfamoyl group, a carbamimidoyl group or a C_{1-6} alkyl group which may have any 1 to 5 substituents selected from the later identified substituent group β; or R^E and R^F bind together to form an ethylene group; or R^F and R^G bind together with the neighboring nitrogen atom to form an aliphatic cyclic amino group which may have a substituent selected from the following substituent group α;

substituent group α:

a halogen atom, a hydroxy group, an amino group, a C_{1-6} alkyl group, a C_{1-6} alkoxy group, a halo(C_{1-6} alkyl) group, a halo(C_{1-6} alkoxy)group, a hydroxy(C_{1-6} alkyl) group, a C_{2-7} alkoxycarbonyl(C_{1-6} alkyl) group, a hydroxy(C_{1-6} alkoxy) group, an amino(C_{1-6} alkyl) group, an amino(C_{1-6} alkoxy) group, a mono or di(C_{1-6} alkyl)amino group, a mono or di[hydroxy(C_{1-6} alkyl)]amino group, a C_{1-6} alkylsulfonyl group, a C_{1-6} alkylsulfonylamino group, a C_{1-6} alkylsulfonylamino (C_{1-6} alkyl) group, a carboxy group, a C_{2-7} alkoxycarbonyl group, a sulfamoyl group and $-CON(R^H)R^I$

substituent group β:

a halogen atom, a hydroxy group, an amino group, a C_{1-6} alkoxy group, a C_{1-6} alkylthio group, a halo(C_{1-6} alkoxy) group, a halo(C_{1-6} alkylthio) group, a hydroxy(C_{1-6} alkoxy) group, a hydroxy(C_{1-6} alkylthio) group, an amino(C_{1-6} alkoxy) group, an amino(C_{1-6} alkylthio) group, a mono or di(C_{1-6} alkyl)amino group, a mono or di[hydroxy(C_{1-6} alkyl)]amino group, an ureido group, a sulfamide group, a mono or di(C_{1-6} alkyl)ureido group, a mono or di[hydroxy(C_{1-6} alkyl)]ureido group, a mono or di(C_{1-6} alkyl)sulfamide group, a mono or di[hydroxy(C_{1-6} alkyl)]-sulfamide group, a C_{2-7} acylamino group, an amino(C_{2-7} acylamino) group, a C_{1-6} alkylsulfonyl group, a C_{1-6} alkylsulfonylamino group, a carbamoyl(C_{1-6} alkylsulfonylamino) group, a carboxy group, a C_{2-7} alkoxycarbonyl group, $-CON(R^H)R^I$, and any of the following substituents (xxxvii) to (xxxxviii) which may have any 1 to 3 substituents selected from the above substituent group α on the ring;

(xxxvii) a C_{6-10} aryl group, (xxxviii) C_{6-10} aryl-O-, (xxxix) a C_{6-10} aryl(C_{1-6} alkoxy) group, (xxxx) a C_{6-10} aryl(C_{1-6} alkylthio) group, (xxxxi) a heteroaryl group, (xxxxii) heteroaryl-O-, (xxxxiii) a C_{3-7} cycloalkyl group, (xxxxiv) C_{3-7} cycloalkyl-O-, (xxxxv) a heterocycloalkyl group,

(xxxxvi) heterocycloalkyl-O-, (xxxxvii) an aliphatic cyclic amino group or (xxxxviii) an aromatic cyclic amino group,

R^H and R^I independently represent a hydrogen atom or a C_{1-6} alkyl group which may have any 1 to 3 substituents selected from the later identified substituent group γ; or both of R^H and R^I bind together with the neighboring nitrogen atom to form an aliphatic cyclic amino group which may have any 1 to 3 substituents selected from the later identified substituent group δ;

substituent group γ:

a halogen atom, a hydroxy group, an amino group, a C_{1-6} alkoxy group, a halo(C_{1-6} alkoxy) group, a hydroxy(C_{1-6} alkoxy) group, an amino(C_{1-6} alkoxy) group, a mono or di(C_{1-6} alkyl)amino group, a mono or di[hydroxy(C_{1-6} alkyl)]amino group, an ureido group, a sulfamide group, a mono or di(C_{1-6} alkyl)ureido group, a mono or di[hydroxy(C_{1-6} alkyl)]ureido group, a mono or di(C_{1-6} alkyl)sulfamide group, a mono or di[hydroxy(C_{1-6} alkyl)]sulfamide group, a C_{2-7} acylamino group, an amino(C_{2-7} acylamino) group, a C_{1-6} alkylsulfonyl group, a C_{1-6} alkylsulfonylamino group, a carbamoyl(C_{1-6} alkylsulfonylamino) group, a carboxy group, a C_{2-7} alkoxycarbonyl group and $-CON(R^J)R^K$

substituent group δ:

a halogen atom, a hydroxy group, an amino group, a C_{1-6} alkyl group, a C_{1-6} alkoxy group, a halo(C_{1-6} alkyl) group, a halo(C_{1-6} alkoxy) group, a hydroxy(C_{1-6} alkyl) group, a C_{2-7} alkoxycarbonyl(C_{1-6} alkyl) group, a hydroxy(C_{1-6} alkoxy) group, an amino(C_{1-6} alkyl) group, an amino(C_{1-6} alkoxy) group, a mono or di(C_{1-6} alkyl)amino group, a mono or di[hydroxy(C_{1-6} alkyl)]amino group, a C_{1-6} alkylsulfonyl group, a C_{1-6} alkylsulfonylamino group, a C_{1-6} alkylsulfonylamino(C_{1-6} alkyl) group, a carboxy group, a C_{2-7} alkoxycarbonyl group, a sulfamoyl group and $-CON(R^J)R^K$

R^J and R^K independently represent a hydrogen atom or a C_{1-6} alkyl group which may have any 1 to 3 substituents selected from a hydroxy group, an amino group, a mono or di(C_{1-6} alkyl)amino group, a C_{2-7} alkoxycarbonyl group and a carbamoyl group;

or both of R^J and R^K bind together with the neighboring nitrogen atom to form an aliphatic cyclic amino group which may have any 1 to 3 substituents selected from a hydroxy group, an amino group, a mono or di(C_{1-6} alkyl)amino group, a C_{1-6} alkyl group, a hydroxy(C_{1-6} alkyl) group, a C_{2-7} alkoxycarbonyl group, a C_{2-7} alkoxycarbonyl(C_{1-6} alkyl) group and a carbamoyl group, or a pharmaceutically acceptable salt thereof.

9. (previously presented): A nitrogen-containing fused-ring derivative as claimed in claim 5 or 8, wherein R^1 represents a hydrogen atom, a C_{1-6} alkyl group, a hydroxy(C_{1-6} alkyl) group, or $-J^a$-$CONH_2$; J^a represents a C_{1-6} alkylene group; R^2 represents a hydrogen atom, or a pharmaceutically acceptable salt thereof.

10. (previously presented): A pharmaceutical composition comprising as an active ingredient a therapeutically effective amount of a nitrogen-containing fused-ring derivative as claimed in claim 1, or a pharmaceutically acceptable salt thereof.

Claims 11 - 16. (canceled).

17. (original): A pharmaceutical composition as claimed in claim 10, wherein the dosage form is sustained release formulation.

Claims 18-35 (canceled).